

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A R~~e~~configurable multiplexer for a wireless ~~transceivers~~ comprising ~~transceiver~~, wherein said reconfigurable multiplexer comprises a manifold-(MF), filter ports and filter means, with each filter means being to be connected to the manifold-(MF) at a corresponding one of said ports~~proper locations (P1, P2, ... P5), wherein~~ characterized in that at least ~~one~~ of said filter means comprises:

at least one filter comprising a first resonant cavity and a further resonant cavity, and
at least one filter head-(FHD1, FHD2, ... FHD5) having only a single resonant cavity
which is the same as the first resonant cavity of said at least one filter, wherein said at least one filter head is configured as to be connectable either to a corresponding covering plate-(SC1, SC2, ... SC5) for short circuit purposes or to a filter tail-(FTL1, FTL2, ... FTL5) in order to provide full filter functionality.

2. (Currently Amended) A R~~e~~configurable multiplexer according to claim 1, ~~characterized in that~~ wherein the at least one filter head-(FHD1, FHD2, ... FHD5) comprises at least a first coupling ~~and in addition to said first resonant cavity.~~

3. (Currently Amended) A ~~R~~reconfigurable multiplexer according to claim 2, ~~characterized in that~~wherein the at least one filter head (~~FHD1, FHD2, ... FHD5~~) further comprises a second coupling.

4. (Currently Amended) A ~~R~~reconfigurable multiplexer according to claim 1, ~~characterized in that~~wherein the at least one filter head (~~FHD1, FHD2, ... FHD5~~) is an integral part of the manifold (~~MF~~).

5. (Currently Amended) A ~~R~~reconfigurable multiplexer according to claim 1, ~~characterized in that~~wherein the covering plate (~~SC1, SC2, ... SC5~~) is at a distance (~~-~~) with respect to the manifold axis.

6. (Currently Amended) A method for providing a reconfigurable multiplexer for a wireless ~~transceiver~~transceiver comprising:

providing a manifold (~~MF~~); and

providing filter ports and filter means, with each filter means being to be connected to the manifold (~~MF~~) at a corresponding one of said ports~~proper locations~~ (~~P1, P2, ... P5~~),

~~characterized in that~~wherein the step of providing filter means comprises providing at least one filter comprising a first resonant cavity and a further resonant cavity, and at least one filter head (~~FHD1, FHD2, ... FHD5~~) having only a single resonant cavity which is the same as the first resonant cavity of said at least one filter, wherein said at least one filter head is configured as to be connectable either to a corresponding covering plate (~~SC1, SC2, ... SC5~~) for

short circuit purposes or to a filter tail (~~FTL1, FTL2, ... FTL5~~) in order to provide full filter functionality.

7. (Currently Amended) A Method according to claim 6, ~~characterized in that~~wherein the ~~step of providing~~said at least one filter head (~~FHD1, FHD2, ... FHD5~~) comprises the ~~step of providing at least one filter head comprising~~ at least a first coupling and in addition to said first resonant cavity.

8. (Currently Amended) A Method according to claim 7, ~~characterized in that~~wherein said the ~~step of providing~~ at least one filter head (~~FHD1, FHD2, ... FHD5~~) further comprises the ~~step of providing at least one filter head comprising~~ a second coupling.

9. (Currently Amended) A Method according to claim 6, ~~characterized in that~~wherein the ~~step of providing~~ the at least one filter head (~~FHD1, FHD2, ... FHD5~~) comprises the ~~step of forming such at least one filter head as~~ an integral part of the manifold (~~MF~~).

10. (Currently Amended) A Method according to claim 9, ~~characterized in that~~wherein the at least one filter head is made through standard waveguide technology, preferably H-plane and the corresponding at least one filter tail is made ~~either by~~ a technology selected from the group consisting of H-plane technology ~~or by~~and DR technology to make the device more compact.

Amendment Under 37 C.F.R. § 1.111
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11. (Currently Amended) A~~B~~branching unit comprising one or more reconfigurable multiplexers according to claim 1.